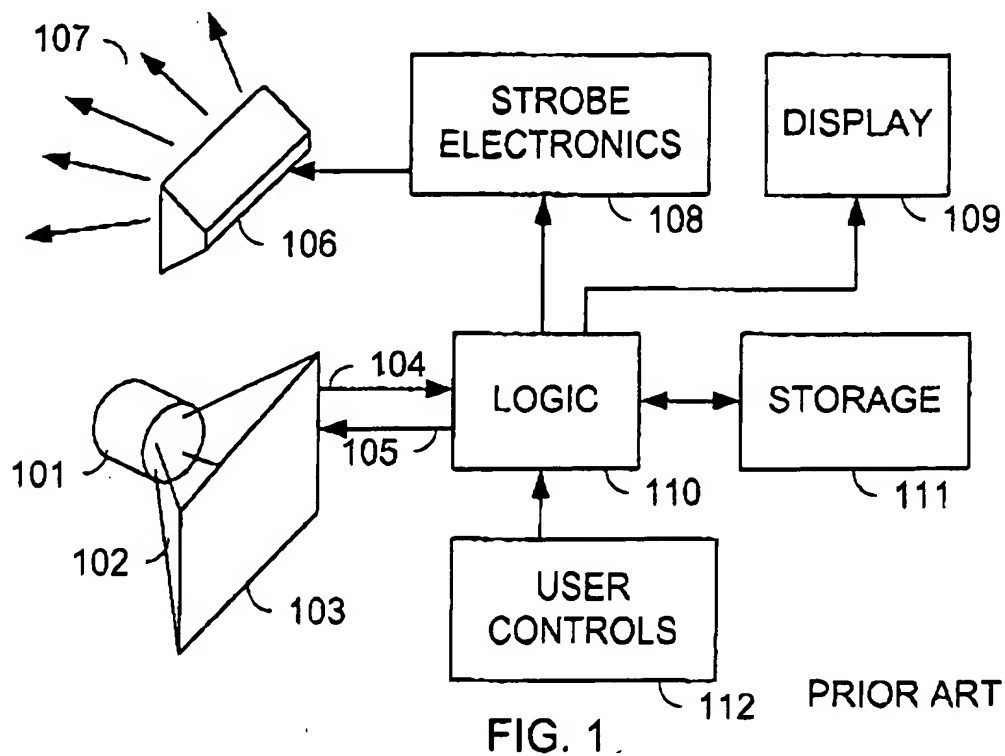SYSTEM AND METHOD TO ALLOW UNDOING OF CERTAIN DIGITAL IMAGE MODIFICATIONS

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PRIOR ART

FIG. 1

	0	1	2	3	4	5	6	7	8	9	10	11
0	37	39	44	42	46	50	58	61	59	55	54	49
1	40	42	45	46	128	51	57	57	55	56	60	54
2	41	41	46	124	48	119	55	59	54	57	55	52
3	43	43	49	51	120	47	52	53	51	52	54	49
4	45	48	47	49	47	44	48	45	47	46	48	44
5	44	47	49	51	48	41	42	41	42	41	42	41
6	40	41	48	50	50	43	45	46	46	47	48	44
7	32	35	39	43	47	44	45	42	43	44	43	40

PRIOR ART

FIG. 2

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SYSTEM AND METHOD TO ALLOW UNDOING OF CERTAIN DIGITAL IMAGE MODIFICATIONS

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301

X →

Y \ X	0	1	2	3	4	5	6	7	8	9	10	11
0	37	39	44	42	46	50	58	61	59	55	54	49
1	40	42	45	46	47 / 1X8	51	57	57	55	56	60	54
2	41	41	46	47 / 1X4	48	51 / 1X9	55	59	54	57	55	52
3	43	43	49	51	49 / 1X0	47	52	53	51	52	54	49
4	45	48	47	49	47	44	48	45	47	46	48	44
5	44	47	49	51	48	41	42	41	42	41	42	41
6	40	41	48	50	50	43	45	46	46	47	48	44
7	32	35	39	43	47	44	45	42	43	44	43	40

FIG. 3

NUMBER OF PIXELS MODIFIED   4

MODIFIED PIXELS

LOCATION X	LOCATION Y	ORIGINAL PIXEL DATA
4	1	128
3	2	124
5	2	119
4	3	120

FIG. 4

HP DOCKET # 200312503

SYSTEM AND METHOD TO ALLOW UNDOING OF CERTAIN DIGITAL IMAGE MODIFICATIONS

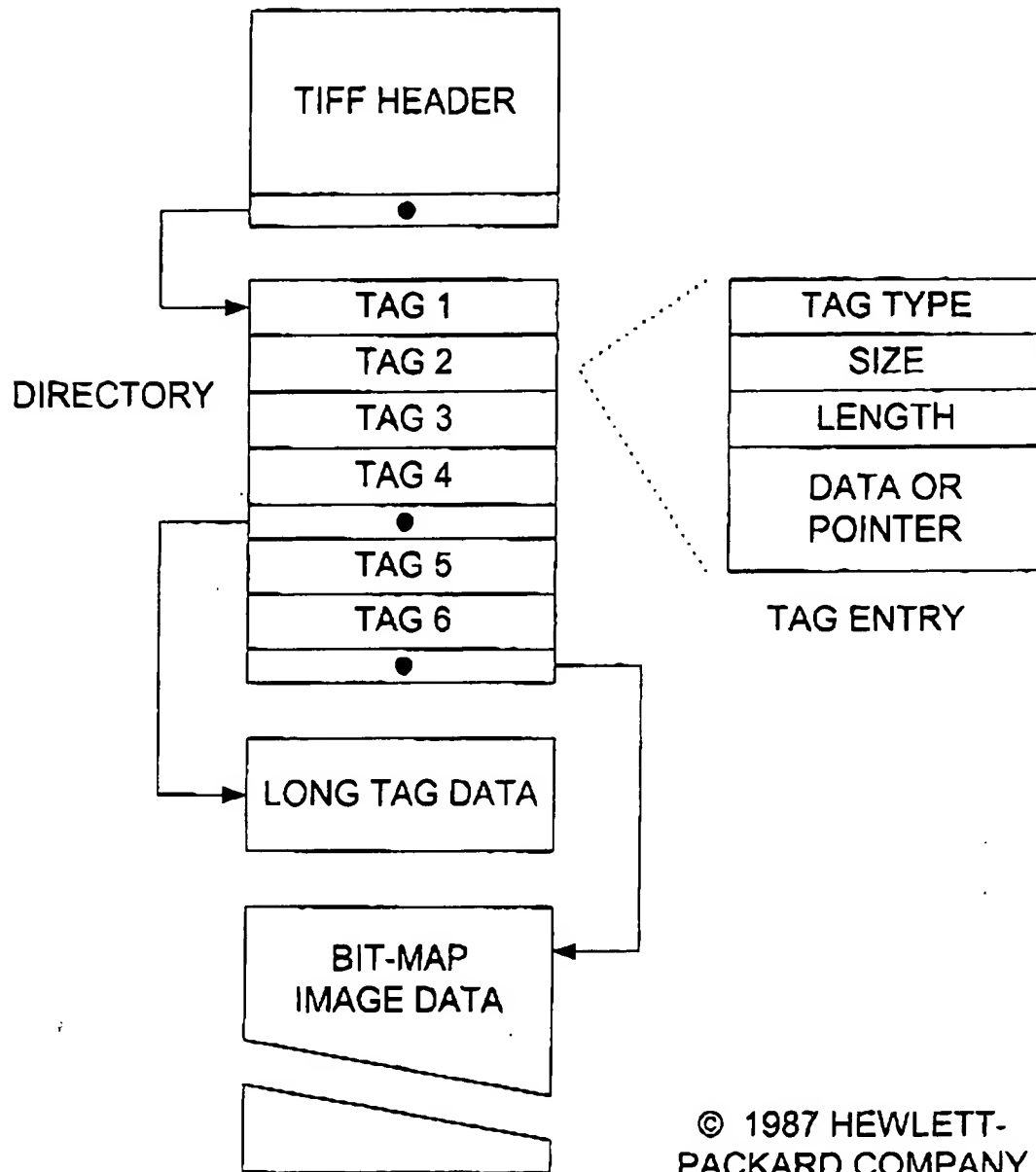Amy Battles　　　　　　　　　　　　　　CONTACT: David W. Boyd (970) 898-4475

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TIFF HEADER

●

DIRECTORY

| TAG 1 |
| TAG 2 |
| TAG 3 |
| TAG 4 |
| ● |
| TAG 5 |
| TAG 6 |
| ● |

| TAG TYPE |
| SIZE |
| LENGTH |
| DATA OR POINTER |

TAG ENTRY

LONG TAG DATA

BIT-MAP IMAGE DATA

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PRIOR ART

FIG. 5

Amy Battles

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600

UNDO   EXIT

601

602

FIG. 6

700

701

702

FIG. 7

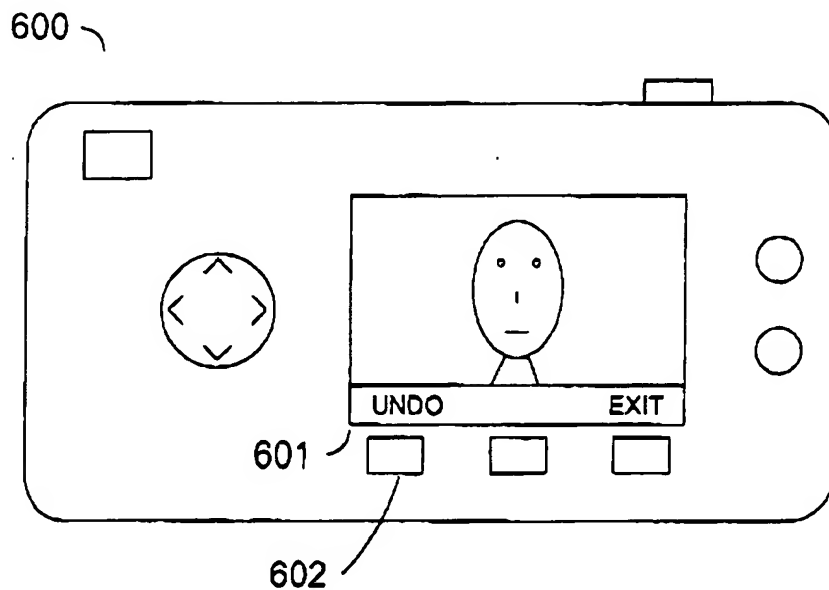HP Docket # 2003125U3
SYSTEM AND METHOD TO ALLOW UNDOING OF CERTAIN DIGITAL IMAGE MODIFICATIONS

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FIG. 8

SYSTEM AND METHOD TO ALLOW UNDOING OF CERTAIN DIGITAL IMAGE MODIFICATIONS

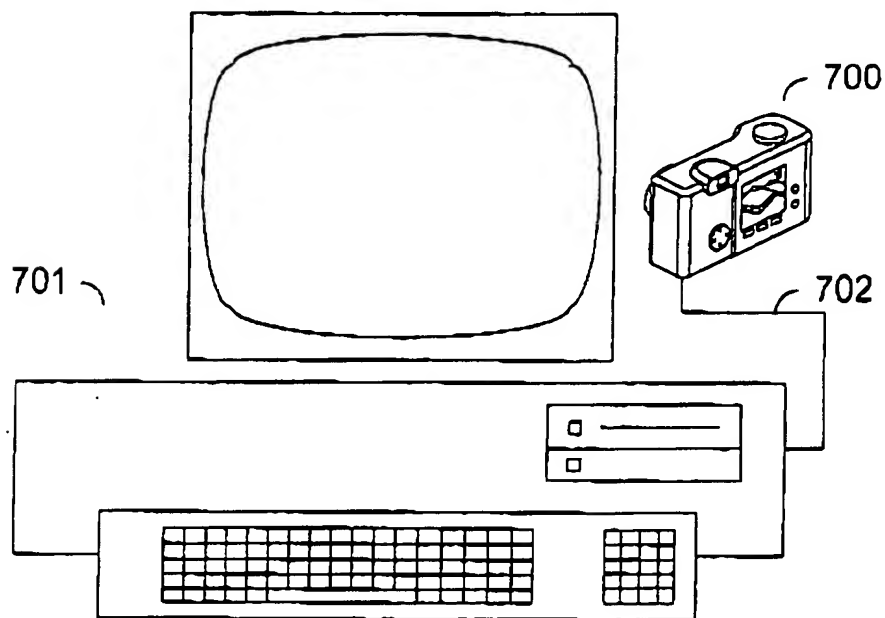Amy Battles   CONTACT: David W. Boyd (970) 898-4475
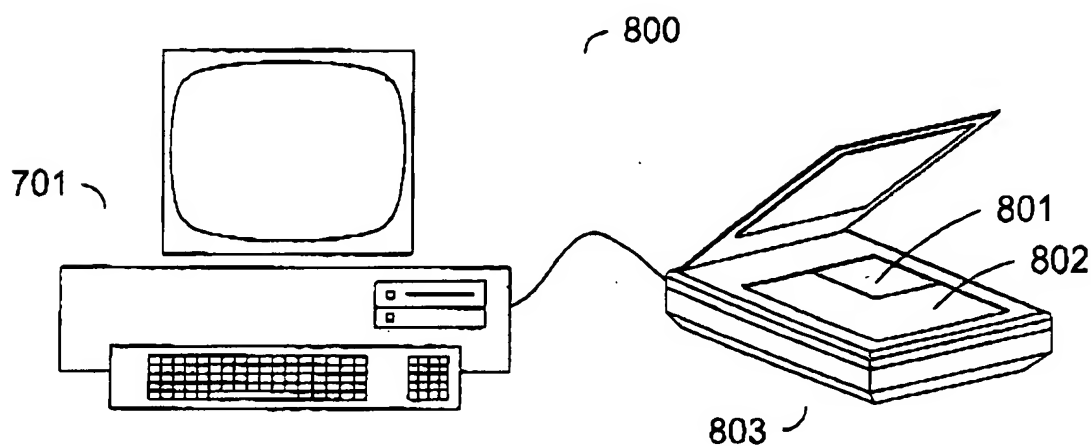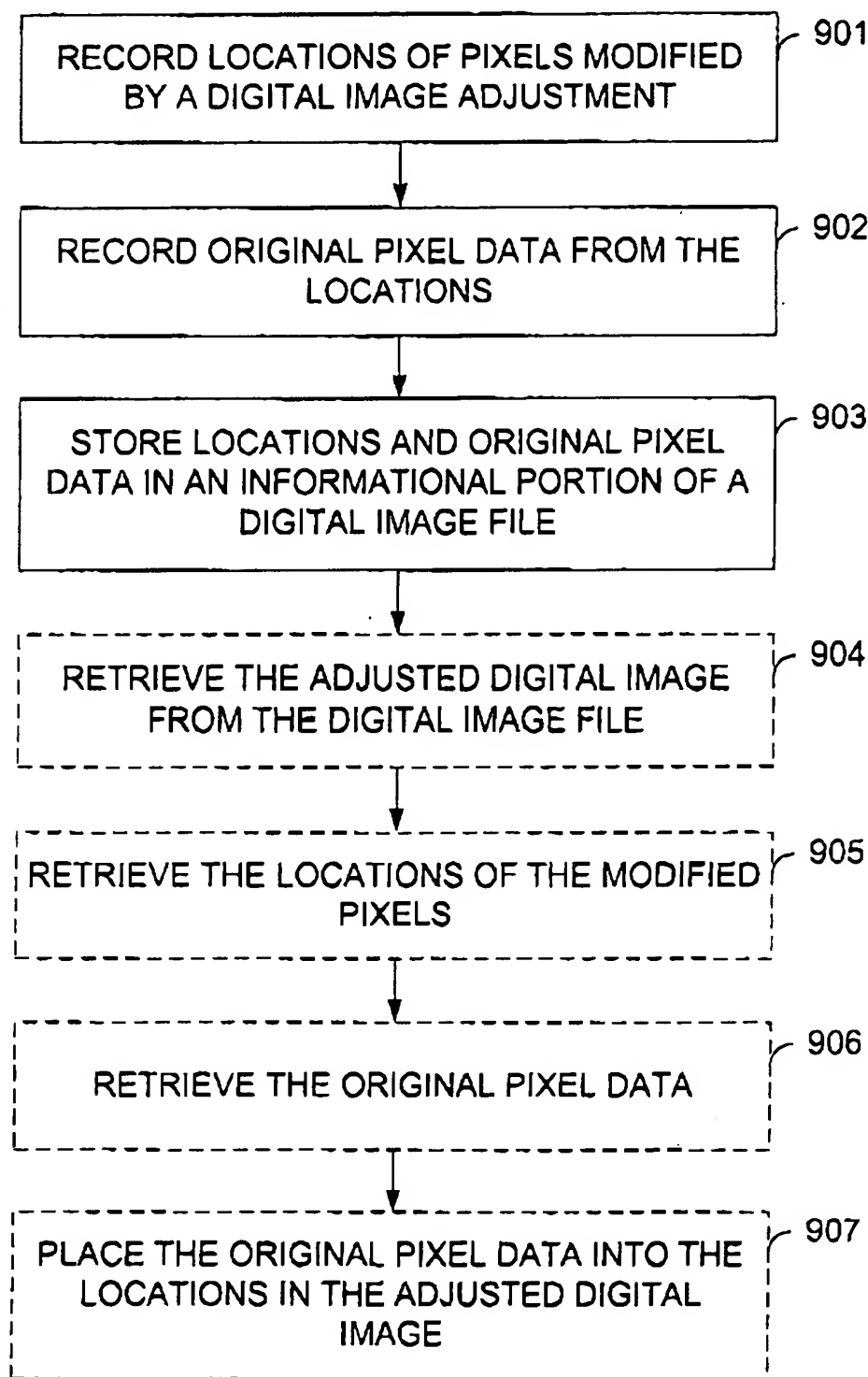
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RECORD LOCATIONS OF PIXELS MODIFIED BY A DIGITAL IMAGE ADJUSTMENT — 901

RECORD ORIGINAL PIXEL DATA FROM THE LOCATIONS — 902

STORE LOCATIONS AND ORIGINAL PIXEL DATA IN AN INFORMATIONAL PORTION OF A DIGITAL IMAGE FILE — 903

RETRIEVE THE ADJUSTED DIGITAL IMAGE FROM THE DIGITAL IMAGE FILE — 904

RETRIEVE THE LOCATIONS OF THE MODIFIED PIXELS — 905

RETRIEVE THE ORIGINAL PIXEL DATA — 906

PLACE THE ORIGINAL PIXEL DATA INTO THE LOCATIONS IN THE ADJUSTED DIGITAL IMAGE — 907

FIG. 9